COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 60 (1987) 373–374
NORTH-HOLLAND

# AUTHOR INDEX OF VOLUME 60*

Bailey, C.D., Dynamics and the calculus of variations (3) 275–287
Belytschko, T., see Stolarski, H. (2) 195–216

Carey, G.F. and R. Krishnan, Convergence of iterative methods in penalty finite element approximation of the Navier–Stokes equations (1) 1–29
Chan, A.S.L. and K.V. Spiliopoulos, A simplified method of solution for the short cycle creep-plasticity problem (3) 257–274
Chang, T.Y., see Saleeb, A.F. (1) 95–121
Collier, G., see Sami, S. (3) 303–315

Desai, R., see Haftka, R.T. (3) 289–301

Eddingfield, D.L., see Sami, S. (3) 303–315

Fawzi, Th.H. and Y.A. Safar, Boundary methods for the analysis and design of high-voltage insulators (3) 343–369
Franchi, A. and F. Genna, A numerical scheme for integrating the rate plasticity equations with an "a priori" error control (3) 317–342

Genna, F., see Franchi, A. (3) 317–342

Haftka, R.T., J.A. Nachlas, L.T. Watson, T. Rizzo and R. Desai, Two-point constraint approximation in structural optimization (3) 289–301

Kolymbas, D., Ice forces on conical offshore structures (2) 217–231
Krishnan, R., see Carey, G.F. (1) 1–29

Maier, G. and C. Polizzotto, A Galerkin approach to boundary element elastoplastic analysis (2) 175–194
Morris, A.J., see Watkins, R.I. (2) 233–251

Nachlas, J.A., see Haftka, R.T. (3) 289–301

Polizzotto, C., see Maier, G. (2) 175–194

* The issue number is given in front of the page numbers.

Resende, L., A damage mechanics constitutive theory for the inelastic behaviour of concrete (1) 57 – 93
Rizzo, T., see Haftka, R.T. (3) 289 – 301

Safar, Y.A., see Fawzi, Th.H. (3) 343 – 369
Saleeb, A.F. and T.Y. Chang, On the hybrid-mixed formulation of curved $C^\circ$ beam elements (1) 95 – 121
Sami, S., G. Collier and D.L. Eddingfield, Numerical modeling of high-speed modulated water jets (3) 303 – 315
Shen, K.Y. and X.H. Zhang, Transonic flow calculations for rigid and flexible wings using a higher-order approximation method (2) 139 – 151
Simo, J.C., On a fully three-dimensional finite-strain viscoelastic damage model: Formulation and computational aspects (2) 153 – 173
Spiliopoulos, K.V., see Chan, A.S.L. (3) 257 – 274
Stolarski, H. and T. Belytschko, Limitation principles for mixed finite elements based on the Hu–Washizu variational formulation (2) 195 – 216
Szmidt, K., Finite difference method and a spurious reflection of waves in a layer of fluid (1) 31 – 44

Tsamasphyros, G., Methods for combination of finite element and singular integral equation methods (1) 45 – 56

Watkins, R.I. and A.J. Morris, A multicriteria objective function optimization scheme for laminated composites for use in multilevel structural optimization schemes (2) 233 – 251
Watson, L.T., see Haftka, R.T. (3) 289 – 301

Yavin, Y., A stochastic pursuit-evasion differential game on a torus: A numerical solution (2) 129 – 137

Zhang, X.-H., see Shen, K.-Y. (2) 139 – 151

COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 60 (1987) 375–379
NORTH-HOLLAND

# SUBJECT INDEX OF VOLUME 60*

*Boundary element methods*

A Galerkin approach to boundary element elastoplastic analysis, G. Maier and C. Polizzotto (2) 175–194
Boundary methods for the analysis and design of high-voltage insulators, Th.H. Fawzi and Y.A. Safar (3) 343–369

*Calculus of variations*

Dynamics and the calculus of variations, C.D. Bailey (3) 275–287

*Coupled problems*

Transonic flow calculations for rigid and flexible wings using a higher-order approximation method, K.Y. Shen and X.H. Zhang (2) 139–151

*Dynamics*

Dynamics and the calculus of variations, C.D. Bailey (3) 275–287

*Elasticity*

Methods for combination of finite element and singular integral equation methods, G. Tsamasphyros (1) 45–56
Limitation principles for mixed finite elements based on the Hu–Washizu variational formulation, H. Stolarski and T. Belytschko (2) 195–216
A multicriteria objective function optimization scheme for laminated composites for use in multilevel structural optimization schemes, R.I. Watkins and A.J. Morris (2) 233–251

*Electromagnetic fields*

Boundary methods for the analysis and design of high-voltage insulators, Th.H. Fawzi and Y.A. Safar (3) 343–369

* The issue number is given in front of the page numbers.

*Finite difference methods*

Finite difference method and a spurious reflection of waves in a layer of fluid, K. Szmidt (1) 31 – 44
Transonic flow calculations for rigid and flexible wings using a higher-order approximation method, K.Y. Shen and X.H. Zhang (2) 139 – 151

*Finite element and matrix methods*

Convergence of iterative methods in penalty finite element approximation of the Navier–Stokes equations, G.F. Carey and R. Krishnan (1) 1 – 29
Methods for combination of finite element and singular integral equation methods, G. Tsamasphyros (1) 45 – 56
A damage mechanics constitutive theory for the inelastic behaviour of concrete, L. Resende (1) 57 – 93
On the hybrid-mixed formulation of curved $C^0$ beam elements, A.F. Saleeb and T.Y. Chang (1) 95 – 121
On a fully three-dimensional finite-strain viscoelastic damage model: Formulation and computational aspects, J.C. Simo (2) 153 – 173
Limitation principles for mixed finite elements based on the Hu–Washizu variational formulation, H. Stolarski and T. Belytschko (2) 195 – 216
A multicriteria objective function optimization scheme for laminated composites for use in multilevel structural optimization schemes, R.I. Watkins and A.J. Morris (2) 233 – 251
A simplified method of solution for the short cycle creep-plasticity problem, A.S.L. Chan and K.V. Spiliopoulos (3) 257 – 274

*Fluid mechanics*

Convergence of iterative methods in penalty finite element approximation of the Navier–Stokes equations, G.F. Carey and R. Krishnan (1) 1 – 29
Finite difference method and a spurious reflection of waves in a layer of fluid, K. Szmidt (1) 31 – 44
Transonic flow calculations for rigid and flexible wings using a higher-order approximation method, K.Y. Shen and X.H. Zhang (2) 139 – 151
Numerical modeling of high-speed modulated water jets, S. Sami, G. Collier and D.L. Eddingfield (3) 303 – 315

*Fracture mechanics*

Methods for combination of finite element and singular integral equation methods, G. Tsamasphyros (1) 45 – 56
A damage mechanics constitutive theory for the inelastic behaviour of concrete, L. Resende (1) 57 – 93
On a fully three-dimensional finite-strain viscoelastic damage model: Formulation and computational aspects, J.C. Simo (2) 153 – 173

*General Rayleigh–Ritz and Galerkin techniques*

A Galerkin approach to boundary element elastoplastic analysis, G. Maier and C. Polizzotto (2) 175–194

*Incompressible and near incompressible media*

Convergence of iterative methods in penalty finite element approximation of the Navier–Stokes equations, G.F. Carey and R. Krishnan (1) 1–29
Numerical modeling of high-speed modulated water jets, S. Sami, G. Collier and D.L. Eddingfield (3) 303–315

*Limit solutions*

Ice forces on conical offshore structures, D. Kolymbas (2) 217–231

*Miscellaneous topics*

A stochastic pursuit-evasion differential game on a torus: A numerical solution, Y. Yavin (2) 129–137

*Nonlinear mechanics*

A Galerkin approach to boundary element elastoplastic analysis, G. Maier and C. Polizzotto (2) 175–194
Ice forces on conical offshore structures, D. Kolymbas (2) 217–231

*Numerical solution procedures*

Convergence of iterative methods in penalty finite element approximation of the Navier–Stokes equations, G.F. Carey and R. Krishnan (1) 1–29

*Optimization*

A stochastic pursuit-evasion differential game on a torus: A numerical solution, Y. Yavin (2) 129–137
A multicriteria objective function optimization scheme for laminated composites for use in multilevel structural optimization schemes, R.I. Watkins and A.J. Morris (2) 233–251
Two-point constraint approximation in structural optimization, R.T. Haftka, J.A. Nachlas, L.T. Watson, T. Rizzo and R. Desai (3) 289–301

*Plasticity*

A Galerkin approach to boundary element elastoplastic analysis, G. Maier and C. Polizzotto (2) 175–194

Ice forces on conical offshore structures, D. Kolymbas (2) 217 – 231
A simplified method of solution for the short cycle creep-plasticity problem, A.S.L. Chan and K.V. Spiliopoulos (3) 257 – 274
A numerical scheme for integrating the rate plasticity equations with an "a priori" error control, A. Franchi and F. Genna (3) 317 – 342

*Shells and plates*

A multicriteria objective function optimization scheme for laminated composites for use in multilevel structural optimization schemes, R.I. Watkins and A.J. Morris (2) 233 – 251

*Solutions of integral equations (singularity method)*

Methods for combination of finite element and singular integral equation methods, G. Tsamasphyros (1) 45 – 56

*Structural mechanics*

A damage mechanics constitutive theory for the inelastic behaviour of concrete, L. Resende (1) 57 – 93
On the hybrid-mixed formulation of curved $C^\circ$ beam elements, A.F. Saleeb and T.Y. Chang (1) 95 – 121
On a fully three-dimensional finite-strain viscoelastic damage model: Formulation and computational aspects, J.C. Simo (2) 153 – 173
A Galerkin approach to boundary element elastoplastic analysis, G. Maier and C. Polizzotto (2) 175 – 194
Ice forces on conical offshore structures, D. Kolymbas (2) 217 – 231
A multicriteria objective function optimization scheme for laminated composites for use in multilevel structural optimization schemes, R.I. Watkins and A.J. Morris (2) 233 – 251
A simplified method of solution for the short cycle creep-plasticity problem, A.S.L. Chan and K.V. Spiliopoulos (3) 257 – 274
Two-point constraint approximation in structural optimization, R.T. Haftka, J.A. Nachlas, L.T. Watson, T. Rizzo and R. Desai (3) 289 – 301

*Stochastic processes*

A stochastic pursuit-evasion differential game on a torus: A numerical solution, Y. Yavin (2) 129 – 137

*Transonic flow*

Transonic flow calculations for rigid and flexible wings using a higher-order approximation method, K.Y. Shen and X.H. Zhang (2) 139 – 151

*Viscous flow*

Numerical modeling of high-speed modulated water jets, S. Sami, G. Collier and D.L. Eddingfield (3) 303 – 315

*Wave motion*

Finite difference method and a spurious reflection of waves in a layer of fluid, K. Szmidt (1) 31 – 44